



# MILITARY ENGINEER SERVICES (MES)

M E S  
Material Testing  
Laboratory

## MATERIAL TESTING LABORATORY

Mobile: 01769-012888, <http://mes.org.bd>

### TEST RESULT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDER/CUBE

Job No : 368/2025-2026 (Con). Type of Aggregate : Stone  
Send by : GE (Army) Sylhet. Brand & Type of Cement : Shah Op.  
Ref. No : CEA/341 of 2024-2025/34/E-6 Dt.03 May'2026. Proportion of Mixture : 1:1.25:2.5  
Project : Construction of 1 x 104 OR's Family Qtr. Desired Design Strength : 4200 Psi  
Sample : Concrete Cylinder Date of Sample Collection : 10/05/2026  
Location : 7th floor column & shear wall. Date of Test : 31/05/2026  
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

#### TEST REPORT

SL No.	Date of casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (Sq. in)	Maximum Load (Lb)	Crushing Strength (Psi)	Average Crushing Strength (Psi)	Mode of Failure
1	03 May'2026 (28 days)						
2		GE (Army)	12.17	53596.10	4404	4382 (30.22 Mpa)	Combined *
		GE (Army)	12.17	52162.80	4286		Combined *
3	GE (Army)	12.17	54233.12	4456	(308 kg/cm <sup>2</sup> )	Combined *	

Note: Samples were received in sealed condition.

\*Combined = Mortar and Aggregate Failure.

#### Observation on Specimen(if any):

1



Report Prepared by :

Test Performed by :

Countersigned by :

MD IKBAL HOSSEN

AHASAN HABIB

MD ATIKUR RAHMAN

SAE B/R  
AHQ E in C's Br  
Wks Dte, Dhaka Cantt.

AE B/R  
Actg SO-III (Lab)  
AHQ E in C's Br  
Wks Dte, Dhaka Cantt.

MAJOR  
OIC (Lab)  
AHQ E in C's Br  
Wks Dte, Dhaka Cantt.

[1 Mpa=145 psi, 1kg/cm<sup>2</sup>=14.223 Psi]

#### Important Note:

- 1 Samples as supplied to the laboratory have been tested. The laboratory authority does not bear any responsibility as to the representative character of the
- 2 It is recommended that samples are sent in a sealed cover/packet/container under signature of the competent authority
- 3 In order to be avoid fraudulent fabrication of the test result, it is recommended that test reports should be collected by duly authorized person and not by the contractor/supplier.

